



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for PTO/SB/08A

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |                |
|------------------------|----------------|
| Application Number     | 10/601,105     |
| Filing Date            | June 20, 2003  |
| First Named Inventor   | Fernando BAZAN |
| Art Unit               | Unassigned     |
| Examiner Name          | Unassigned     |
| Attorney Docket Number | DX0903K1B      |

Sheet

1

of

2

**U.S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | DOCUMENT NUMBER                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant, Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|--|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |  |
| ZS                    | AA                       | US-5,965,122                             | 10-12-99                       | A. Namen, et al.                                   |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |
|                       |                          | US-                                      |                                |  |  |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant, Passages or Relevant<br>Figures Appear | † <sup>6</sup> |
|-----------------------|--------------------------|---|--------------------------------|--|--|----------------|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |  |                |
| ZS                    | AB                       | 0314415A2   | 05-03-89                       | EPO  |  |                |
| ↓                     | AC                       | WO 00/29581   | 05-25-00                       | PCT  |  | X              |
| ↓                     | AD                       | WO 00/39149   | 07-06-00                       | PCT  |  | X              |
|                       |                          |   |                                |  |  |                |
|                       |                          |   |                                |  |  |                |
|                       |                          |   |                                |  |  |                |

Examiner  
Signature

/Zachary Skelding/

Date  
Considered

01/23/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

|  |   |    |   |                          |                |
|--|---|----|---|--------------------------|----------------|
| <b>Substitute for form 1449/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete if Known</b> |                |
|  |   |    |   | Application Number       | 10/601,105     |
|  |   |    |   | Filing Date              | June 20, 2003  |
|  |   |    |   | First Named Inventor     | Fernando BAZAN |
|  |   |    |   | Art Unit                 | Unassigned     |
|  |   |    |   | Examiner Name            | Unassigned     |
| Sheet  | 2 | of | 2 | Attorney Docket Number   | DX0903K1B      |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials*              | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>6</sup> |
| ZS                              | AE                    | FRIEND, Sherree Lee, <i>et al.</i> , <u>Experimental Hematology</u> , "A thymic stromal cell line supports in vitro development of surface IgM+ B cells and produces a novel growth factor affecting B and T lineage cells" (1994), pp. 321-328, Vol. 3.        |                |
|                                 | AF                    | LEVIN, Steven D., <i>et al.</i> , <u>Journal of Immunology</u> , "Thymic Stromal Lymphoprotein: A cytokine that promotes the development of IgM+ B cells in Vitro and Signals via a novel mechanism," (January 1999), pp. 677-683, Vol. 162.                    |                |
|                                 | AG                    | MAHAIRAS, G.G., <i>et al.</i> , <u>GenBank</u> , Accession Number AQ781833, (August 2, 1999), Definition: "HS_3148_A2_C03_T7C CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=3148 Col=6 Row=E, genomic survey sequence."           |                |
|                                 | AH                    | MAEURER, Markus J., <i>et al.</i> , <u>The Cytokine Handbook</u> , 3rd ed., "Interleukin-7," (1998), Ch. 9:229-269. Thomson, ed. (Academic Press, Inc., San Diego, California).   |                |
|                                 | AI                    | MARRA, M., <i>et al.</i> , <u>GenBank</u> , Accession Number AA717930, (December 29, 1997), Definition: "vt09f05.r1 Barstead mouse myotubes MPLRB5 Mus musculus cDNA clone IMAGE: 1162593 5', mRNA sequence."   |                |
|                                 | AJ                    | MARRA, M., <i>et al.</i> , <u>GenBank</u> , Accession Number AI591430, (April 21, 1999), Definition: "vt09f05.r1 Barstead mouse myotubes MPLRB5 Mus musculus cDNA clone IMAGE: 1162593 5', mRNA sequence."  |                |
|                                 | AK                    | NCI-CGAP. <u>GenBank</u> , Accession Number AA889581, (January 4, 1999), Definition: "ak25a11.sl Soares_testis_NHT Homo sapiens cDNA clone IMAGE: 14072603', mRNA sequence."  |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |
|                                 |                       |   |                |

|                    |                    |                 |            |
|--------------------|--------------------|-----------------|------------|
| Examiner Signature | /Zachary Skelding/ | Date Considered | 01/23/2007 |
|--------------------|--------------------|-----------------|------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

BEST AVAILABLE COPY

Express Mail Label:

PTO/SB/08 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to collection of information unless it contains a valid OMB control number.

|  |                        |                      |                    |
|--|------------------------|----------------------|--------------------|
| Substitute for form 1449A/PTO  |                        | Complete if Known    |                    |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT<br>(Use as many sheets as necessary) |                        | Application Number   | 10/801,105         |
|  |                        | Filing Date          | 08/20/2003         |
|  |                        | First Named Inventor | Bazan, J. Fernando |
|  |                        | Art Unit             | 1644               |
|  |                        | Examiner Name        | Jalia Serico       |
| Sheet 1 of 1   | Attorney Docket Number | DX0903K1B US         |                    |

| U.S. PATENT DOCUMENTS          |                       |  |                             |   |   |
|--------------------------------|-----------------------|--|-----------------------------|---|---|
| Examiner Initials <sup>a</sup> | Cite No. <sup>1</sup> | Document Number Number-Kind Code <sup>2</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| ZS                             |                       | US 2003/0099947 A1                                       | 05-29-2003                  | Bazan et al.                                    |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |

| FOREIGN PATENT DOCUMENTS       |                       |  |                             |   |   |
|--------------------------------|-----------------------|--|-----------------------------|---|---|
| Examiner Initials <sup>a</sup> | Cite No. <sup>1</sup> | Foreign Patent Number Country Code <sup>3</sup> Number Kind Code <sup>2</sup> (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |
|                                |                       |  |                             |   |   |

| NON PATENT LITERATURE DOCUMENTS |                       |   |  |  |  |
|---------------------------------|-----------------------|---|--|--|--|
| Examiner Initials <sup>a</sup>  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  |  |
| ZS                              |                       | Friend, et al., "A Thymic Stromal Cell Line Supports In Vitro Development of Surface IgM+ B Cells and Produces a Novel Growth Factor Affecting B and T Lineage Cells", <i>Experimental Hematology</i> , 22: 321-328 (March 1994).                               |  |  |  |
| ZS                              |                       | Pending Claims for U.S. Patent Application Serial No. 09/983,347 (published as US 2003/0099947 A1); Bazan, et al., "Mammalian Cytokines; Related Reagents and Methods" (1 page).  |  |  |  |
| ZS                              |                       | International Search Report for application no. PCT/US99/20871 (6 pages).   |  |  |  |
| ZS                              |                       | XP-002131157, "ak28a11.s1 Soares testis_NHT Homo sapiens cDNA clone IMAGE: 1407260 3', mRNA sequence," AA889581.1, "displaying "06-APR-1998 (Rel. 55, Created)" and "06-JAN-1999 (Rel. 58, Last updated Version 2)" (2 pages).                                  |  |  |  |

|                    |                    |                 |            |
|--------------------|--------------------|-----------------|------------|
| Examiner Signature | /Zachary Skelding/ | Date Considered | 01/19/2007 |
|--------------------|--------------------|-----------------|------------|

<sup>a</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

70341

PAGE 20/37 \* RCVD AT 10/30/2006 12:27:29 PM (Eastern Standard Time) \* SVR:USPTO-EFXXF-6/36 \* DNS:2738300 \* CSID:908 298 5405 \* DURATION (mm-ss):05-16